

Applicant(s): Allan Scherr
Serial No.: 10/036,547
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E30-050CON2 (96-031CON2)

In the Claims

Please cancel claims 19 and 29 and amend claims 18, 20, 21 and 30 through 32 as follows:

18 (amended). ~~A data node at each of at least first and second sites in a data network~~ ^{A cache node system in} In a data network with a plurality of interconnected data nodes for transferring data

therebetween, wherein each of at least two of the data nodes ^{is coupled to a cache management system} includes including a cache management system, the ^{and each of said} cache management system systems at said a data node comprising comprises:

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A) a cache memory device coupled to the data network, ^{for} for storing at least two different cache memory management methods, for each ^{a corresponding one of} cache memory management method controlling communications the method by which said ^A data node communicates with other data

nodes in the data network, and
B) a cache memory manager connected to said cache ^{a corresponding} memory device, for controlling transfers ^{including a method selection means for} selecting one of the cache memory management methods to ^{manage the cache memory device} (control network communications) at ^{one of said} said data node with other data nodes in response ^A to one of the at least two different cache

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~~memory management methods in said cache memory device and wherein the cache memory management methods used at said (data node) and another data node on the data network are different.~~

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19 (canceled).

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20 (amended). A data node as recited in claim ~~19-18~~ wherein said cache memory manager at ~~said data node~~ includes ~~monitoring~~ ^{at a computer} ~~means a monitor for monitoring operations at a respective said data node and (said method selection means responds to said monitoring means monitor.~~

21 (amended). A data node as recited in claim ~~19-18~~ wherein said cache memory manager at ~~said data node~~ includes ~~monitoring~~ ^{a computer} ~~means a monitor at said data node for receiving commands from other data nodes (and said method selection means) responds to the received commands.~~

22 (previously presented). A data node as recited in claim 21 wherein one of said cache memory management methods is a least recently used cache management method.

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23 (previously presented). A data node as recited in claim 21 wherein one of said cache memory management methods is a data usage cache management method.

24 (previously presented). A data node as recited in claim 21 wherein one of said cache memory management methods is a store-through cache management method.

Cg 25 (previously presented). A data node as recited in claim 21 wherein one of said cache memory management methods is a pre-fetch cache management method.

26 (previously presented). A data node as recited in claim 21 wherein one of said cache memory management methods is an indexing cache management method.

27 (previously presented). A data node as recited in claim 21 wherein one of said cache memory management methods is a B-tree cache management method.

28 (previously presented). A data node as recited in claim 21 wherein one of said cache memory management methods is a charging cache management method.

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29 (Canceled).

30 (amended). A data node as recited in claim 18 wherein said cache memory device includes method storage means for storing least recently used, data usage, store-through, pre-fetch, indexing, Btree and charge cache memory management methods as the at least two cache memory management methods.

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31 (amended). A data node as recited in claim 30 wherein said cache memory manager ~~at said data node~~ includes monitoring ~~means at said data node~~ a monitor for monitoring operations at (said data node and said method selection means) ~~at said data node~~ ~~responds to said monitoring means~~ monitor.

32 (amended). A data node as recited in claim 30 wherein said cache memory management (a) ~~at said data node~~ includes monitoring ~~means at said data node~~ a monitor for receiving commands from other data nodes and (said method selection means) ~~at said data node~~ ~~for responding~~ responds to the received commands by selecting one of the cache memory management methods in said cache memory device. *a correspond*